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QUELQUES ACIDES ORGANIQUES (O Rastvorimosti
Kriolita v Sol'yakh Nekotorykh Organicheskikh Kislot)
(Solubility of Cryolite in Salts of Organic Acids). 9p
(foreign text included) 5 refs FR-2342.
Order from OTS, ETC or CNRS \$0.80 62-26429

Trans. in French of Zhurnal Prikladnoi Khimii (USSR)
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DESCRIPTORS: Salts, Acids, Carbon compounds,
Solubility, *Sodium compounds, *Aluminum compounds,
*Fluorides, *Minerals.

(Chemistry--Physical, TT, v. 10, no. 10)

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DESCRIPTORS: *Alcohols, Dehydrogenation, Esters,
Synthesis, Acetates, *Ethanol, Catalysis.

Research showed that finely dispersed copper used as a catalyst for this reaction brings about formation of ethyl acetate. Some principles of preparation of precipitated and alloyed catalysts for this reaction have been determined. The optimal conditions of dehydrogenation of ethyl alcohol involve a temperature of 275-285° and a rate of flow of alcohol of 300-400 ml per liter catalyst space per hour. The experimental results generally apply to homologs of ethyl alcohol. When an equimolecular mixture of two alcohols is treated the (Chemistry--Organic, TT, v. 6, no. 7) (over)

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DESCRIPTORS: Dehydrogenation, *Catalysts,
*Ethanol, Esters, Esterification, Chemical reactions,
Ethyl radicals, Acetates, Acetic acids, Titanium
compounds, Oxides.

Dehydrogenation of ethanol was studied, leading to for-
mation of substantial amounts of acetic acid and ethyl
acetate. Three-component catalysts were investigated
for this reaction, consisting of copper and alumina pro-
moted with oxides of cadmium or titanium. The cata-
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over the two-component catalyst, consisting of copper
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